

Abstract:

[0126] An electro-kinetic air transporter-conditioner creates airflow with an electrode assembly that includes a first array of electrodes and a second array of electrodes. The innermost electrodes of the second array are preferably located further away from the first array than the outermost electrodes in the second array. This non-equidistant configuration equalizes the electrical fields created at the tip of each electrode within the second array. Reducing the electrical field at the innermost electrodes also reduces the amount of ozone generated by the device.